

2. Hayes

ENTERED



OIPE

## RAW SEQUENCE LISTING

DATE: 09/11/2003

PATENT APPLICATION: US/09/927,565A

TIME: 09:09:51

Input Set : N:\Crf3\RULE60\09927565a.raw.txt

Output Set: N:\CRF4\09112003\I927565A.raw

## SEQUENCE LISTING

3 (1) GENERAL INFORMATION:

5 (i) APPLICANT: Lal, Preeti

6 Shah, Purvi

7 Corley, Neil C.

9 (ii) TITLE OF INVENTION: HUMAN PREPRONEUROTENSIN/NEUROMEDIN N

11 (iii) NUMBER OF SEQUENCES: 4

13 (iv) CORRESPONDENCE ADDRESS:

14 (A) ADDRESSEE: Incyte Pharmaceuticals, Inc.

15 (B) STREET: 3174 Porter Drive

16 (C) CITY: Palo Alto

17 (D) STATE: CA

18 (E) COUNTRY: USA

19 (F) ZIP: 94304

21 (v) COMPUTER READABLE FORM:

22 (A) MEDIUM TYPE: Diskette

23 (B) COMPUTER: IBM Compatible

24 (C) OPERATING SYSTEM: DOS

25 (D) SOFTWARE: FastSEQ for Windows Version 2.0

27 (vi) CURRENT APPLICATION DATA:

C--> 28 (A) APPLICATION NUMBER: US/09/927,565A

C--> 29 (B) FILING DATE: 09-Aug-2001

30 (C) CLASSIFICATION:

32 (vii) PRIOR APPLICATION DATA:

33 (A) APPLICATION NUMBER: US/09/002,114

34 (B) FILING DATE: 31-DEC-1997

36 (viii) ATTORNEY/AGENT INFORMATION:

37 (A) NAME: Billings, Lucy J.

38 (B) REGISTRATION NUMBER: 36,749

39 (C) REFERENCE/DOCKET NUMBER: PF-0450 US

41 (ix) TELECOMMUNICATION INFORMATION:

42 (A) TELEPHONE: 650-855-0555

43 (B) TELEFAX: 650-845-4166

44 (C) TELEX:

47 (2) INFORMATION FOR SEQ ID NO: 1:

49 (i) SEQUENCE CHARACTERISTICS:

50 (A) LENGTH: 170 amino acids

51 (B) TYPE: amino acid

52 (C) STRANDEDNESS: single

53 (D) TOPOLOGY: linear

55 (vii) IMMEDIATE SOURCE:

56 (A) LIBRARY: PITUNOT03

57 (B) CLONE: 1760566

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Output Set: N:\CRF4\09112003\I927565A.raw

59 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 1:

```

61 Met Met Ala Gly Met Lys Ile Gln Leu Val Cys Met Leu Leu Leu Ala
62 1 5 10 15
63 Phe Ser Ser Trp Ser Leu Cys Ser Asp Ser Glu Glu Glu Met Lys Ala
64 20 25 30
65 Leu Glu Ala Asp Phe Leu Thr Asn Met His Thr Ser Lys Ile Ser Lys
66 35 40 45
67 Ala His Val Pro Ser Trp Lys Met Thr Leu Leu Asn Val Cys Ser Leu
68 50 55 60
69 Val Asn Asn Leu Asn Ser Pro Ala Glu Glu Thr Gly Glu Val His Glu
70 65 70 75 80
71 Glu Glu Leu Val Ala Arg Arg Lys Leu Pro Thr Ala Leu Asp Gly Phe
72 85 90 95
73 Ser Leu Glu Ala Met Leu Thr Ile Tyr Gln Leu His Lys Ile Cys His
74 100 105 110
75 Ser Arg Ala Phe Gln His Trp Glu Leu Ile Gln Glu Asp Ile Leu Asp
76 115 120 125
77 Thr Gly Asn Asp Lys Asn Gly Lys Glu Glu Val Ile Lys Arg Lys Ile
78 130 135 140
79 Pro Tyr Ile Leu Lys Arg Gln Leu Tyr Glu Asn Lys Pro Arg Arg Pro
80 145 150 155 160
81 Tyr Ile Leu Lys Arg Asp Ser Tyr Tyr Tyr
82 165 170

```

84 (2) INFORMATION FOR SEQ ID NO: 2:

86 (i) SEQUENCE CHARACTERISTICS:

87 (A) LENGTH: 1351 base pairs

88 (B) TYPE: nucleic acid

89 (C) STRANDEDNESS: single

90 (D) TOPOLOGY: linear

93 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 2:

```

95 NNTCAAAGCC AGCTGAAGGA AAGAGGAAGT GCTAGAGAGA GCCCCCTTCA GTGTGCTTCT 60
96 GACTTTTACG GACTTGGCTT GTTAGAAGGC TGAAAGATGA TGGCAGGAAT GAAAATCCAG 120
97 CTTGTATGCA TGCTACTCCT GGCTTTCAGC TCCTGGAGTC TGTGCTCAGA TTCAGAAGAG 180
98 GAAATGAAAG CATTAGAAGC AGATTTCTTG ACCAATATGC ATACATCAAA GATTAGTAAA 240
99 GCACATGTTC CCTCTTGGA GATGACTCTG CTAAATGTTT GCAGTCTTGT AAATAATTTG 300
100 AACAGCCCAG CTGAGGAAAC AGGAGAAGTT CATGAAGAGG AGCTTGTTGC AAGAAGGAAA 360
101 CTTCTACTG CTTTAGATGG CTTTAGCTTG GAAGCAATGT TGACAATATA CCAGCTCCAC 420
102 AAAATCTGTC ACAGCAGGGC TTTTCAACAC TGGGAGTTAA TCCAGGAAGA TATTCTTGAT 480
103 ACTGGAAATG ACAAAAATGG AAAGGAAGAA GTCATAAAGA GAAAAATTCC TTATATTCTG 540
104 AAACGGCAGC TGTATGAGAA TAAACCCAGA AGACCCTACA TACTCAAAAG AGATTCTTAC 600
105 TATTACTGAG AGAATAAATC ATTTATTTAC ATGTGATTGT GATTCATCAT CCTTAATTA 660
106 AATATCAAAT TATATTTGTG TGAAAATGTG ACAAACACAC TTATCTGTCT CTTCTACAAT 720
107 TGTGGTTTAT TGAATGTGAT TTTTCTGCAC TAATATAAAT TAGACTAAGT GTTTTCAAAT 780
108 AAATCTAAAT CTTCAGCATG ATGTGTTGTG TATAATTGGA GTAGATATTA ATTAAGTCAC 840
109 CTGTATAATG TTTTGTAATT TTGCAAAACA TATCTTGAGT TGTTTAAACA GTCAAATGT 900
110 TTGATATTTT ATACCAGCTT ATGAGCTCAA AGTACTACAG CAAAGCCTAG CCTGCATATC 960
111 ATTCACCCAA AACAAAGTAA TAGCGCCTCT TTTATTATTT TGACTGAATG TTTTATGGAA 1020
112 TTGAAAGAAA CATACGTTCT TTTCAAGACT TCCTCATGAA TCTCTCAATT ATAGGAAAAG 1080
113 TTATTGTGAT AAAATAGGAA CAGCTGAAAG ATTGATTAAT GAACTATTGT TATTACTTCC 1140

```

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Output Set: N:\CRF4\09112003\I927565A.raw

```

114 TATTTTAATG AATGACATTG AACTGGATTT TTTGACCTGT TAATGGACTT GGTAGCTATT 1200
115 AGAAGGACAC TTGACCTCCA ATAGAAAAAA AATAAAGAAA TAAAAAGAAG TATAAAAGTA 1260
116 ATAAAAATAAA ATCAGAAGAG AAAAAGAAAA AGAAAAAGTAA AAAGAGGGGG GACACACCAT 1320
117 AAGAACCAAT ACCCGGGAAT TTTCGGAGCG A 1351

```

## 120 (2) INFORMATION FOR SEQ ID NO: 3:

## 122 (i) SEQUENCE CHARACTERISTICS:

123 (A) LENGTH: 169 amino acids

124 (B) TYPE: amino acid

125 (C) STRANDEDNESS: single

126 (D) TOPOLOGY: linear

## 128 (vii) IMMEDIATE SOURCE:

129 (A) LIBRARY: GenBank

130 (B) CLONE: 163424

## 132 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3:

```

134 Met Ala Gly Met Lys Ile Gln Leu Val Cys Met Ile Leu Leu Ala Phe
135 1 5 10 15
136 Ser Ser Trp Ser Leu Cys Ser Asp Ser Glu Glu Glu Met Lys Ala Leu
137 20 25 30
138 Glu Thr Asp Leu Leu Thr Asn Met His Thr Ser Lys Ile Ser Lys Ala
139 35 40 45
140 Ser Val Pro Ser Trp Lys Met Ser Leu Leu Asn Val Cys Ser Leu Ile
141 50 55 60
142 Asn Asn Leu Asn Ser Gln Ala Glu Glu Thr Gly Glu Phe His Glu Glu
143 65 70 75 80
144 Glu Leu Ile Thr Arg Arg Lys Phe Pro Ala Ala Leu Asp Gly Phe Ser
145 85 90 95
146 Leu Glu Ala Met Leu Thr Ile Tyr Gln Leu Gln Lys Ile Cys His Ser
147 100 105 110
148 Arg Ala Phe Gln His Trp Glu Leu Ile Gln Glu Asp Ile Leu Asp Ala
149 115 120 125
150 Gly Asn Asp Lys Asn Glu Lys Glu Glu Val Ile Lys Arg Lys Ile Pro
151 130 135 140
152 Tyr Ile Leu Lys Arg Gln Leu Tyr Glu Asn Lys Pro Arg Arg Pro Tyr
153 145 150 155 160
154 Ile Leu Lys Arg Gly Ser Tyr Tyr Tyr
155 165

```

## 157 (2) INFORMATION FOR SEQ ID NO: 4:

## 159 (i) SEQUENCE CHARACTERISTICS:

160 (A) LENGTH: 169 amino acids

161 (B) TYPE: amino acid

162 (C) STRANDEDNESS: single

163 (D) TOPOLOGY: linear

## 165 (vii) IMMEDIATE SOURCE:

166 (A) LIBRARY: GenBank

167 (B) CLONE: 92546

## 169 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4:

```

171 Met Ile Gly Met Asn Leu Gln Leu Val Cys Leu Thr Leu Leu Ala Phe
172 1 5 10 15
173 Ser Ser Trp Ser Leu Cys Ser Asp Ser Glu Glu Asp Val Arg Ala Leu

```

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Output Set: N:\CRF4\09112003\I927565A.raw

```

174          20          25          30
175 Glu Ala Asp Leu Leu Thr Asn Met His Ala Ser Lys Val Ser Lys Gly
176          35          40          45
177 Ser Pro Pro Ser Trp Lys Met Thr Leu Leu Asn Val Cys Ser Leu Ile
178          50          55          60
179 Asn Asn Leu Asn Ser Ala Ala Glu Glu Ala Gly Glu Met Arg Asp Asp
180 65          70          75          80
181 Asp Leu Val Ala Lys Arg Lys Leu Pro Leu Val Leu Asp Asp Phe Ser
182          85          90          95
183 Leu Glu Ala Leu Leu Thr Val Phe Gln Leu Gln Lys Ile Cys Arg Ser
184          100         105         110
185 Arg Ala Phe Gln His Trp Glu Ile Ile Gln Glu Asp Ile Leu Asp His
186          115         120         125
187 Gly Asn Glu Lys Thr Glu Lys Glu Glu Val Ile Lys Arg Lys Ile Pro
188          130         135         140
189 Tyr Ile Leu Lys Arg Gln Leu Tyr Glu Asn Lys Pro Arg Arg Pro Tyr
190 145          150         155         160
191 Ile Leu Lys Arg Ala Ser Tyr Tyr Tyr
192          165

```

**VERIFICATION SUMMARY**

DATE: 09/11/2003

PATENT APPLICATION: US/09/927,565A

TIME: 09:09:52

Input Set : N:\Crf3\RULE60\09927565a.raw.txt

Output Set: N:\CRF4\09112003\I927565A.raw

L:28 M:220 C: Keyword misspelled or invalid format, [(A) APPLICATION NUMBER:]

L:29 M:220 C: Keyword misspelled or invalid format, [(B) FILING DATE:]

**STATISTICS SUMMARY**

DATE: 09/11/2003

PATENT APPLICATION: US/09/927,565A

TIME: 09:09:52

Input Set : N:\Crf3\RULE60\09927565a.raw.txt

Output Set: N:\CRF4\09112003\I927565A.raw

Application Serial Number: US/09/927,565A

Alpha or Numeric or Xml: Alpha

Application Class:

Application File Date: 08-09-2001

Art Unit: OIPE

Software Application: FastSEQ2.0

Total Number of Sequences: 4

Total Nucleotides: 1351

Total Amino Acids: 508

Number of Errors: 0

Number of Warnings: 0

Number of Corrections: 2

**MESSAGE SUMMARY**

220 C: 2 (Keyword misspelled or invalid format)